

ABSTRACT OF THE DISCLOSURE

5 A glass material for use in a microwave-transparent window of a
plasma processing apparatus is provided. The glass material has not only
good properties similar to those of quartz glass but a corrosion resistance
particularly to fluorine-containing plasma. The glass having the corrosion
resistance to the fluorine-containing plasma is composed of a first glass
10 phase consisting of Si and O and a second glass phase consisting of Si, Al
and O. The second glass phase has a mass ratio of Al to Si of at least 0.01.
The glass member is useful as a component for forming an electromagnetic-
wave introducing window of the plasma processing apparatus or the like.